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FEEDING STUFFS REPORT

FOR THE YEAR

~~1944~~
1945

MILES HORST
Secretary of Agriculture

Commonwealth of Pennsylvania
Department of Agriculture
Harrisburg

ISHED
46

Pennsylvania Department of Agriculture

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FEEDING STUFFS REPORT

1945

INTRODUCTION

The Pennsylvania Feeding Stuffs Law, Act of May 3, 1909, as amended, provides for the inspection and analysis of feeding stuffs, and accordingly, during the year ending December 31, 1945, 520 official samples were obtained by agents of the Bureau throughout the Commonwealth. Of the total number of samples collected 488 were selected for analysis.

Each and every feeding stuffs sold within this commonwealth is required to be properly labeled giving the following information: Name and address of manufacturer or importer, net weight, guarantees for protein, fat, and fiber, and a statement of composition, that is, the name of each ingredient used.

During the year 1945, 143 special samples of feeding stuffs were submitted for analysis. The Law provides for the analysis of special samples of feeding stuffs for residents of Pennsylvania only for a fee of $1 per sample. The results of analyses of special samples submitted are not included in this Report. The total number of official and special samples analyzed during the year 1945 was 631.

The 488 official samples analyzed were registered by 173 manufacturers and represented 15 classes and 512 brands as follows:

Classes	Samples
Oil Cake By-Products	3
Maize By-Products	5
Wheat Offal	3
Oat By-Products	1
Proprietary Dairy Feed	104
Proprietary Horse Feed	8
Proprietary Calf Meal	1
Proprietary Swine Feed	74
Proprietary Chop Feed	9
Proprietary Scratch Feed	6
Proprietary Mash Feed	283
Proprietary Small Animal Feed	14
Animal By-Products	6
Buckwheat Feed	1
Miscellaneous Feed	2
Total	520

BRANDS REGISTERED

Each brand of feeding stuffs is required to be registered annually, and application should be submitted before January 1 of each year or before the feed is offered for sale. When brands of feeding stuffs are re-registered, they must be accompanied by a tonnage affidavit, duly sworn to, showing the exact number of tons of each brand sold during the last preceding year. When tonnage affidavit is not submitted covering brands to be re-registered, then the Law provides for a registration fee of $25 per brand. The annual registration fees are as follows:

0 to 150 tons, each.....	$ 5.00
Over 150 tons to 300 tons, each.....	10.00
Over 300 tons to 500 tons, each.....	15.00
Over 500 tons, each.....	25.00

Pure Wheat Bran, Pure Wheat Middlings, Pure Wheat Mixed Feed, Pure Rye Bran, Pure Rye Middlings, Pure Rye Mixed Feed, Pure Buckwheat Bran, Pure Buckwheat Middlings, Pure Buckwheat Feed, Pure Corn Meal, and Pure Corn and Oats Chop can be registered for a fee of $5 each, it being unnecessary to submit tonnage affidavit. Pure whole grains, when made into meals and unmixed, do not require registration, provided no part of the grain has been removed in the process of milling. Pure Corn Meal, made by the grinding and bolting of corn, requires registration.

For 1945 sales, 4565 brands of feeding stuffs were registered, and 1039 licenses were issued to 966 manufacturers.

CONCLUSIONS

Of the 488 official samples analyzed, 216 or 44.26% were deficient in protein or fat and contained fiber in excess of the tolerances provided, 17 samples or 3.48% were found deficient in protein, 177 or 36.27% deficient in fat, and 22 or 4.51% exceeded guarantees for fiber.

The consumer of a feeding stuffs purchases same under certain guarantees and labeling, and naturally expects that ingredients which are claimed should be present. Where an ingredient is omitted or added by a manufacturer, this Bureau should be accordingly notified and arrangements made for proper labeling of sacks or attached cards.

All inquiries concerning feeding stuffs should be addressed to the administrative officer, the Director of the Bureau of Foods and Chemistry, Pennsylvania Department of Agriculture, Harrisburg, Pennsylvania.

TABLE I--CLASSIFICATION SHOWING AVERAGE ANALYSIS AND PRICES OF SAMPLES ANALYZED, WITH SUMMARY OF DEFICIENCIES

FEEDING STUFFS CLASSES	SAMPLES	BRANDS	GUARANTEED	PROTEIN %	FAT %	FIBER %	PRICE PER TON	NO. DEFICIENT		EXCESS FIBER
								PROTEIN	FAT	
Soybean Oil Meal	3	3	3	44.48	4.06	5.32	63.06	----	----	----
Corn Gluten Feed	5	5	5	11.29	4.04	4.72	59.00	----	1	----
Wheat Bran	2	2	2	15.78	4.14	7.86	51.50	----	----	----
Wheat Middlings	1	1	1	14.69	2.82	2.48	54.00	----	----	----
Pulverized Whole Oats	1	1	1	11.38	2.55	14.56	60.00	----	1	1
Proprietary Dairy Feed	104	102	104	23.79	3.92	7.71	61.11	2	20	1
Proprietary Horse Feed	8	8	8	12.72	2.63	7.99	64.21	----	2	1
Proprietary Calf Feed	1	1	1	29.25	4.16	7.70	100.00	----	----	----
Proprietary Swine Feed	74	74	74	19.00	3.15	6.33	64.31	6	36	5
Proprietary Chop Feed	9	9	9	11.36	2.31	7.33	60.63	----	4	----
Proprietary Scratch Feed	6	6	6	12.20	2.45	3.46	60.64	----	2	----
Proprietary Mash Feed	283	279	283	20.42	3.34	6.24	71.87	4	111	14
Proprietary Small Animal Feed	14	13	14	20.20	4.69	2.54	----	3	----	----
Fish Meal	2	1	2	62.75	5.84	0.46	83.00	----	----	----
Meat and Bone Scraps	4	4	4	48.50	11.38	2.10	74.41	2	----	----
Buckwheat Feed	1	1	1	21.25	4.88	12.63	47.00	----	----	----
Miscellaneous	2	2	2	2.06	0.76	8.05	49.00	----	----	----
TOTAL	520	512	520	----	----	----	----	17	177	22

KEY TO TABLE II SHOWING ANALYSES OF OFFICIAL SAMPLES

Table II shows in detail the results of analyses under the various classifications, together with their guarantees.

Columns are provided for the found and guaranteed protein, fat, and fiber.

Each sample is listed with a chemist's number which will be found in parentheses after the brand name.

The several classes of Feeding Stuffs, as shown on Table I, are classified under the following general headings and subheadings:

OIL CAKE BY-PRODUCTS including Soybean Oil Meal.

MAIZE BY-PRODUCTS including Corn Gluten Feed.

WHEAT OFFAL (with and without Ground Grain Screenings) including Wheat Bran, Wheat Middlings, and Wheat Mixed Feed.

OAT BY-PRODUCTS including Pulverized Whole Oats.

PROPRIETARY MIXED FEEDS including Dairy Feed, Horse and Mule Feed, Calf Feed, Swine Feed, Chop Feed, Scratch Feed, Mash Feed and Small Animal Feed.

ANIMAL BY-PRODUCTS including Meat and Bone Scraps and Fish Meal.

BUCKWHEAT FEED

MISCELLANEOUS FEED

TABLE 11. ANALYSES OF SAMPLES OF FEEDING STUFFS

500-4-44

MANUFACTURER AND BRAND NAME		PROTEIN Found P. ct.	PROTEIN Guar. P. ct.	FAT Found P. ct.	FAT Guar. P. ct.	FIBER Found P. ct.	FIBER Guar. P. ct.	COMPOSITION
MAUSER & CRESSMAN Cetasaqua, Pa.								
Poultry Mash for Growing Chicks	(399)	19.38	14.00	5.59	3.00	5.34	6.30	- - - - - -
Laying Mash	(398)	17.06	16.00	*1.82	3.00	6.74	9.00	- - - - - -
Special Laying Mash	(397)	19.44	17.00	3.33	3.00	7.59	8.00	- - - - - -
MCAFEE FEED & SUPPLY COMPANY Clarion, Pa.								
Supermix 20% Egg Mash	(403)	22.13	20.00	3.18	3.00	7.71	8.00	- - - - - -
Supermix Growing Mash	(405)	19.44	18.00	3.31	3.00	6.16	7.50	- - - - - -
Supermix Chick Starter Mash	(404)	19.81	16.00	2.92	3.00	5.92	7.00	- - - - - -
MCCAUGHEY FEED & COAL COMPANY Edge Hill, Pa.								
Primex Growing Mash	(466)	21.19	18.00	*1.82	3.50	5.99	8.00	- - - - - -
C. S. MCCOMMON Volant, Pa.								
McCommon Starting & Growing Mash	(308)	17.88	18.00	*4.27	5.00	6.56	6.00	- - - - - -
McCommon's A Grade Egg Mash	(307)	19.06	20.00	4.22	4.50	6.91	9.00	- - - - - -
MCMILLEN FEED MILLS Fort Wayne, Indiana								
Master Mix Broiler Mash with Methio-vite	(251)	22.69	20.00	4.28	2.50	5.12	7.00	- - - - - -
Master Mix Egglac Pellets with Methio-vite	(250)	19.94	20.00	3.64	2.50	8.47	7.00	- - - - - -
Free Choice Laying Conc Pellets with Methio-vite	(255)	35.81	33.00	2.72	2.00	6.26	8.00	- - - - - -
Master Mix 36% Turkey Concentrate	(198)	36.19	36.00	4.68	3.00	7.19	7.00	- - - - - -
MEAD & BANNISTER North East, Pa.								
M. & B. Mash	(91)	19.63	18.00	3.22	3.50	*5.72	5.00	- - - - - -
M. & S. Starting & Growing Mash	(90)	21.19	19.00	*3.46	4.00	*5.87	5.00	- - - - - -
MIFFLINVILLE FLOUR MILL Mifflinville, Pa.								
Columbia Chick Starter	(122)	23.13	18.00	*1.11	3.00	5.52	7.00	- - - - - -
Columbia Egg Mash	(121)	19.25	18.00	*1.89	3.00	5.64	6.50	- - - - - -
Columbia Growing Mash	(123)	20.19	16.00	*1.01	3.00	5.63	6.50	- - - - - -
MILLER & BUSRONG Rohrerstown, Pa.								
Healtho Chick Starting & Growing Mash	(256)	19.88	18.50	*2.01	3.00	5.08	7.00	- - - - - -
MINER-HILLARD MILLING COMPANY Wilkes-Barre, Pa.								
A-1 Chick Starter	(174)	18.13	16.00	4.38	4.00	*8.54	7.00	- - - - - -
A-1 Growing Mash	(173)	16.63	17.00	4.78	4.50	*8.31	6.50	- - - - - -
A-1 Laying Mash	(175)	19.44	20.00	5.43	4.50	7.12	7.00	- - - - - -
Pennant Egg Producer	(176)	17.50	18.00	*2.91	3.50	*8.14	7.00	- - - - - -
Superior Duck Growing Mash	(180)	20.06	16.00	5.06	3.50	5.56	6.50	- - - - - -
MOSCOW MILLING COMPANY Moscow, Pa.								
Poultry Mash	(436)	21.56	17.00	*1.47	3.50	7.59	10.00	- - - - - -
MOYER & SON Souderton, Pa.								
Starter & Broiler Mash	(380)	21.69	20.00	3.87	4.00	5.29	7.00	- - - - - -
M. & S. Turkey Growing Mash	(383)	28.81	23.50	4.67	4.75	6.43	7.50	- - - - - -
M. & S. Turkey Starter	(382)	27.75	25.75	5.46	5.50	5.66	7.50	- - - - - -
Mash for Laying Hens	(381)	18.06	18.00	*3.54	4.00	5.19	6.00	- - - - - -
EDGAR W. MUTH Springtown, Pa.								
Muth's Egg Mash	(477)	20.56	17.00	*1.91	3.50	5.94	8.00	- - - - - -
Muth's Growing Mash	(478)	19.31	16.00	*1.99	4.00	5.90	7.00	- - - - - -
NYCE'S SUPPLY YARDS New Britain, Pa.								
Gilt Edge Laying Mash	(461)	21.25	20.00	*3.45	4.50	*7.03	6.00	- - - - - -

*Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

500-4-44

MANUFACTURER AND BRAND NAME		PROTEIN Found P. ct.	PROTEIN Guar. P. ct.	FAT Found P. ct.	FAT Guar. P. ct.	FIBER Found P. ct.	FIBER Guar. P. ct.	COMPOSITION
P. J. OESTERLINO & SON, INC. Butler, Pa.								
Suneide Growing Mash	(306)	20.38	17.00	3.18	3.00	6.73	7.50	- - - - - -
Suneide Egg Mash No. 1 with Buttermilk	(303)	22.63	20.00	3.31	3.00	8.53	7.50	- - - - - -
JOSEPH OTTO North East, Pa.								
Just Right 18% Egg Mash	(88)	18.44	18.00	*3.01	5.00	5.97	8.00	- - - - - -
OWINGS BROTHERS York, Pa.								
June Bug All Mash Starter & Grower with A. & D. Oil	(162)	17.88	18.00	4.70	3.00	4.40	8.00	- - - - - -
June Bug Breeder Ration	(161)	20.94	20.00	4.61	3.00	5.03	7.00	- - - - - -
June Bug Broiler Ration with A. & D. Feeding Oil	(160)	15.56	15.00	2.87	3.00	5.55	7.00	- - - - - -
PARK & POLLARD COMPANY Buffalo, N. Y.								
All Mash Laying Ration	(330)	18.50	16.00	3.66	3.00	6.77	7.00	- - - - - -
PERDUE & ORTON North East, Pa.								
Starting & Growing Mash	(96)	17.75	18.00	*1.32	4.00	5.01	6.00	- - - - - -
Laying Mash	(95)	19.56	19.00	*1.72	4.00	5.03	7.00	- - - - - -
PETERSBURG MILLING COMPANY Bessemer, Pa.								
Pemico Starting & Growing Mash	(317)	17.69	18.00	*0.58	4.00	5.18	6.00	- - - - - -
Pemico Laying Mash	(316)	21.19	20.00	*2.35	4.00	6.02	8.00	- - - - - -
PINE RUN FARM SUPPLY Doylestown, Pa.								
Pine Run Egg Mash	(6)	20.94	20.00	3.71	4.00	5.83	7.00	- - - - - -
Pine Run Starting & Growing Mash	(5)	19.56	18.00	3.60	4.00	6.64	7.00	- - - - - -
PINOLA ELEVATOR COMPANY Shippensburg, Pa.								
Rowe Egg Mash	(454)	22.44	20.00	2.73	3.00	5.59	7.00	- - - - - -
Rowe Growing Mash	(452)	17.44	16.00	*2.61	3.00	4.84	6.50	- - - - - -
PRESTON'S MILLS Canton, Pa.								
Preston's Egg Producer	(511)	21.69	19.00	*3.03	5.00	5.09	10.00	- - - - - -
Preston's Starting & Growing Mash	(509)	19.19	17.00	4.72	4.50	5.43	8.00	- - - - - -
THE QUAKER OATS COMPANY Chicago, Ill.								
Big Egg Chick Starter-Growing Mash	(334)	17.69	17.00	5.03	3.00	7.44	8.00	- - - - - -
Ful-O-Pep Broiler Mash	(335)	21.63	19.00	*2.81	3.50	7.92	8.00	- - - - - -
RALSTON PURINA COMPANY St. Louis, Mo.								
Purina Chick Growena	(249)	18.56	17.00	2.80	3.00	7.70	7.00	- - - - - -
Purina Layena	(216)	17.19	15.50	3.85	3.00	4.49	8.00	- - - - - -
Purina 22% Lay Chow	(246)	23.88	22.00	3.38	3.50	5.48	8.00	- - - - - -
REECE & GREENLY COMPANY Millville, Pa.								
R & G Co. Starting Mash	(46)	16.88	16.00	*0.83	4.00	4.94	6.00	- - - - - -
R & G Co. Laying Mash	(45)	16.44	16.00	4.63	4.00	7.18	7.00	- - - - - -
W. A. REED COMPANY Paxinos, Pa.								
Shamrock Egg Mash	(129)	16.06	17.00	*3.29	4.00	*8.94	7.00	- - - - - -
J. S. RILEY & COMPANY New Castle, Pa.								
Pioneer Starting Mash	(415)	22.31	20.00	3.39	3.00	5.54	8.00	- - - - - -
Pioneer Laying Mash Supar	(414)	21.13	18.00	3.00	3.00	8.11	8.00	- - - - - -

*Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct	P. ct.	P. ct.	
OIL CAKE PRODUCTS								
Soybean Oil Meal								
ALLIED MILLS, INC. Chicago, Ill.								
Wayne 41% Protein Soybean Oil Meal	(293)	42.69	41.00	5.24	3.50	5.69	7.00	- - - - - -
THE DRACKETT PRODUCTS COMPANY Cincinnati, Ohio								
Drackett Soybean Meal	(346)	48.13	44.00	0.83	0.05	5.28	7.00	- - - - - -
FUNK BROS. SEED COMPANY Bloomington, Illinois								
Funk's 41% Protein Soybean Oil Meal	(208)	42.63	41.00	6.12	4.50	5.01	7.00	- - - - - -
Average		44.48	----	4.06	----	5.32	----	
MAIZE BY-PRODUCTS								
Corn Gluten Feed								
PRESTON'S MILLS Canton, Pa.								
Ground Corn Ground Oats	(512)	11.31	10.00	*1.42	4.00	6.86	7.00	- - - - - -
W. B. THOMPSON & SON Waynesboro, Pa.								
Cracked Corn	(456)	12.06	12.06	2.79	2.79	3.18	3.18	- - - - - -
WEST VIEW SALES COMPANY Fort Dodge, Iowa								
West View Grain Base	(2)	13.19	13.19	7.35	7.35	7.33	7.33	- - - - - -
West View Grain Base	(4)	10.38	----	4.61	----	4.06	----	- - - - - -
West View Grain Base	(3)	9.50	----	4.02	----	2.16	----	- - - - - -
Average		11.29	----	4.04	----	4.72	----	- - - - - -
WHEAT OFFAL								
Wheat Bran								
C. J. HESS Shade Gap, Pa.								
Bran	(65)	15.63	15.63	4.01	4.01	9.30	9.30	- - - - - -
THE WHEATENA CORPORATION HIGRSPIRE FLOUR MILLS DIVISION Highspire, Pa.								
Wheat Bran	(291)	15.94	15.00	4.27	2.75	6.43	9.00	- - - - - -
Average		15.78	----	4.14	----	7.86	----	
Wheat Middlings								
C. J. HESS Shade Gap, Pa.								
Middlings	(64)	14.69	14.69	2.82	2.82	2.48	2.48	- - - - - -
Average		14.69	----	2.82	----	2.48	----	
OAT BY-PRODUCTS								
Pulverized Whole Oats								
NORTHWEST DISTRICT COMPANY, INC. Colby, Wisconsin								
Northwest's Pulverized Oats	(484)	11.38	11.50	*2.55	3.50	*14.66	12.00	- - - - - -
Average		11.38	----	2.55	----	14.56	----	
PROPRIETARY MIXED FEEDS								
Proprietary Dairy Feeds								
ALLIED MILLS, INC. Chicago, Ill.								
Wayne 24% Dairy Ration	(292)	24.31	24.00	3.89	3.00	6.76	9.00	- - - - - -

500-8-44

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
R. S. ALTMAN Irwin, Pa.								
Altman's 24% Dairy Ration	(207)	23.88	24.00	2.74	3.00	5.39	12.00	- - - - - -
Altman's Laxa-Heal Ration	(328)	19.56	18.00	6.72	4.00	4.50	8.00	- - - - - -
ANDERSON GRAIN & FEED COMPANY York, Pa.								
Anderson 16% Dairy Feed	(154)	18.06	16.00	5.76	3.50	11.60	12.00	- - - - - -
Anderson 20% Dairy Feed	(155)	23.44	20.00	5.03	3.00	11.96	12.00	- - - - - -
Anderson 24% Dairy Feed	(158)	27.44	24.00	5.84	3.00	10.00	12.00	- - - - - -
H. O. ANDREWS & SONS Mapleton Depot, Pa.								
Triple A 16% Dairy Feed	(83)	17.13	16.00	4.57	3.50	7.83	12.00	- - - - - -
R. A. BATES AND SON Knoxville, Pa.								
Oak Leaf 18% Dairy Ration	(492)	23.06	18.00	3.85	3.50	5.87	9.00	- - - - - -
C. D. BELL & SON Hop Bottom, Pa.								
C. D. Bell Cow Feed	(441)	23.50	20.00	3.00	3.50	6.63	10.00	- - - - - -
BELLEVILLE FLOUR MILLS COMPANY Belleville, Pa.								
Belleville 32% Dairy Ration	(75)	31.88	32.00	4.72	5.00	7.96	10.00	- - - - - -
BROWN & FASSETT Tunkhannock, Pa.								
B & F Twenty Special Dairy Feed	(444)	23.94	20.00	3.67	4.00	7.83	10.00	- - - - - -
BROWN & REA Atglen, Pa.								
B & R 20% Dairy Feed	(268)	24.30	20.00	4.52	4.00	6.92	11.00	- - - - - -
JOHN S. BROWN'S SON Ellwood City, Pa.								
Our Quality 20% Dairy Ration	(424)	22.13	20.00	3.74	3.12	7.68	12.00	- - - - - -
CASSEL BROTHERS Manheim, Pa.								
Cassel's 18% Dairy Feed	(359)	22.50	18.00	*2.93	3.90	7.23	11.20	- - - - - -
CATAWISSA MILLING COMPANY Catawissa, Pa.								
Blue Ribbon 20% Dairy Feed	(27)	21.13	20.00	4.02	3.00	7.77	11.00	- - - - - -
CENTRAL CHEMICAL CORPORATION Gettysburg, Pa.								
Farmrite Sweet Sixteen Dairy Ration	(165)	20.19	16.00	*3.22	4.00	7.00	12.00	- - - - - -
COOPERATIVE MILLS, INC. Harrisburg, Pa.								
16% Dairy	(212)	17.19	16.00	3.41	3.50	7.06	12.00	- - - - - -
CUMBERLAND VALLEY COOPERATIVE ASS'N. Shippensburg, Pa.								
Hub 16% Dairy Feed	(276)	18.25	16.00	3.42	3.00	9.98	12.00	- - - - - -
Hub 20% Dairy Feed	(277)	19.25	20.00	3.21	3.00	11.26	12.00	- - - - - -
DARLINGTON MILLING CO. Darlington, Pa.								
Darmico 20% Dairy	(322)	23.85	20.00	3.77	3.00	6.98	8.00	- - - - - -
DAYTON MILLING COMPANY Towanda, Pa.								
Dayton's 20% Dairy Ration	(231)	24.13	20.00	4.52	3.50	7.33	8.50	- - - - - -
Dayton's Ideal Dairy Ration	(235)	26.19	24.00	3.61	3.70	7.68	9.00	- - - - - -

*Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
DIAMOND MILLING COMPANY New Brighton, Pa.								
Diamond 24% Dairy Ration	(413)	26.44	24.00	3.38	3.25	9.05	10.00	- - - - - -
EASTERN STATES FARMERS EXCHANGE West Springfield, Mass.								
Fulpail	(338)	22.25	20.00	3.89	3.50	6.96	8.50	- - - - - -
Sixteen	(296)	19.06	16.00	*1.43	3.50	7.19	8.00	- - - - - -
32% Supplement	(337)	33.56	32.00	5.08	4.00	6.21	8.50	- - - - - -
FLORY MILLING COMPANY, INC. Bangor, Pa.								
Flory 20% Dairy Feed	(192)	27.75	20.00	*2.24	4.00	7.26	10.00	- - - - - -
Flory 32% Dairy Mixing Feed	(191)	37.56	32.00	5.83	4.00	6.15	10.00	- - - - - -
FREYERMUTH MILLS Sandy Lake, Pa.								
Freyermuth's Dairy Feed No. 2-20%	(111)	23.81	20.00	2.73	3.00	8.00	11.50	- - - - - -
G & M MILLING COMPANY West Wyoming, Pa.								
G & M 20% Dairy Ration	(184)	21.31	20.00	3.16	3.50	7.61	9.00	- - - - - -
H. L. GARRISON & BROTHER Berwick, Pa.								
Extra Quality Dairy Feed	(116)	22.56	18.50	*3.79	4.50	6.91	8.00	- - - - - -
PAUL H. GEHMAN Ephrata, Pa.								
Martin's 16% Dairy Feed	(264)	21.13	16.00	*2.59	3.75	8.81	8.00	- - - - - -
GENERAL MILLS, INC., LARROWE DIVISION Detroit, Mich.								
Larro 20% Dairy Feed	(214)	21.19	20.00	6.16	3.00	8.74	12.00	- - - - - -
GOLDEN'S MILL Springville, Pa.								
Dairy Feed	(448)	22.56	18.00	*3.02	3.60	6.27	10.00	- - - - - -
GOODHART BROTHERS Walnut Bottom, Pa.								
Goodhart's 16% Dairy Feed	(289)	17.06	16.00	4.01	3.00	6.98	12.00	- - - - - -
GOOD'S CITY MILLS, INC. Williamsport, Pa.								
Good's Dairy Feed	(506)	27.31	24.00	4.72	4.00	8.09	11.00	- - - - - -
S. R. GOSS Lewistown, Pa.								
Mt. Rock 18% Dairy Ration	(72)	*16.06	18.00	3.33	3.00	8.09	10.00	- - - - - -
HARPER FEED MILLS, INC. Washington, Pa.								
Harco 20% Dairy Ration	(209)	*17.88	20.00	3.74	4.00	8.22	12.00	- - - - - -
I. B. HEIMBACH & SON East Greenville, Pa.								
Plain Sack Dairy Feed	(391)	23.31	24.00	4.08	4.00	10.86	10.00	- - - - - -
DR. HEINZ COMPANY Cincinnati, Ohio								
16% Sweet Mix Dairy Ration	(486)	19.19	16.00	4.19	3.00	12.71	15.00	- - - - - -
Heinz Nu-Way 24% Dairy	(490)	27.38	24.00	5.87	4.00	9.46	11.00	- - - - - -
Heinz Nu-Way 32% Dairy Supplement	(491)	34.00	32.00	4.51	3.50	7.81	8.00	- - - - - -
[illegible] COMPANY Honesdale, Pa.								
Tru-Mix 20% Dairy Ration	(430)	21.31	20.00	4.25	4.00	6.88	9.00	- - - - - -

*Deficient

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TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
HUNTSINGER'S MILL Hegins, Pa.								
Quality Dairy Ration	(19)	21.00	18.00	4.32	4.00	7.40	10.00	- - - - - -
KASCO MILLS, INC. Waverly, N. Y.								
Kasco Sweet 16% Dairy Feed	(347)	17.94	16.00	3.24	3.50	5.98	12.00	- - - - - -
KINTNER MILLING COMPANY Mehoopany, Pa.								
Kmco Super 20% Dairy Ration	(442)	22.69	20.00	4.74	4.00	6.58	9.00	- - - - - -
WALTER K. LONG Center Valley, Pa.								
Hi-Standard 20% Dairy Ration	(149)	21.13	20.00	5.41	4.00	7.84	8.50	- - - - - -
LYCOMING MILLS Williamsport, Pa.								
24% Dairy Feed	(504)	26.13	24.00	4.22	3.50	9.65	9.50	- - - - - -
32% Dairy Feed	(501)	35.06	32.00	6.13	3.50	10.91	10.00	- - - - - -
MARITIME MILLING COMPANY, INC. Buffalo, N. Y.								
Hi-Test Dairy Feed	(471)	26.06	20.00	*0.72	3.50	8.76	12.00	- - - - - -
Sweetened BB Bull Brand 20% Dairy Ration	(245)	23.31	20.00	4.69	3.50	7.92	9.00	- - - - - -
MARTINSBURO MILLING COMPANY Martinsburg, Pa.								
Blue Ribbon Dairy Feed	(172)	20.31	20.00	4.57	4.00	8.31	12.00	- - - - - -
MCCAUGHEY FEED & COAL COMPANY Edge Rill, Pa.								
Primex Cow Feed	(467)	23.19	20.00	3.84	3.50	7.01	8.00	- - - - - -
MCMILLEN FEED MILLS Fort Wayne, Indiana								
Maater Blend Dairy Concentrate	(199)	35.44	33.00	4.33	1.50	6.09	8.00	- - - - - -
Master Mix Noon Pellets	(254)	23.06	20.00	3.34	2.50	5.18	7.00	- - - - - -
Master Mix Waylac	(197)	20.00	17.00	2.69	2.00	5.04	7.00	- - - - - -
MEAD & SANNISTER North East, Pa.								
M. & S. Dairy	(93)	24.19	18.00	*3.04	4.00	7.64	9.00	- - - - - -
MILLER & BUSHONG Rohrerstown, Pa.								
Green Pastures 20% Dairy Feed	(257)	23.63	20.00	3.60	4.00	6.63	10.00	- - - - - -
MILLPORT ROLLER MILLS Lititz, Pa.								
Zook's Just Rite 20% Dairy Feed	(367)	25.38	20.00	3.79	4.00	9.50	12.00	- - - - - -
MINER-HILLARD MILLING COMPANY Wilkes-Barre, Pa.								
M. H. Dairy Ration	(177)	18.50	17.50	4.51	4.50	6.22	10.00	- - - - - -
MOSCOW MILLING COMPANY Moscow, Pa.								
20% Dairy Feed	(435)	22.50	20.00	4.76	3.50	7.57	11.00	- - - - - -
MOYER & SON Souderton, Pa.								
Landia Dairy Feed	(479)	23.06	20.00	*3.24	4.00	8.89	10.00	- - - - - -
Molasses Dairy Feed	(385)	27.00	24.00	4.23	4.50	9.13	10.00	- - - - - -
NYCE'S SUPPLY YARDS New Britain, Pa.								
Gilt Edge 18% Emergency Dairy Ration	(464)	22.75	18.00	3.51	3.50	8.59	10.00	- - - - - -

*Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
JOSEPH OTTO North East, Pa.								
Joseph Otto Cow Feed	(85)	18.19	18.00	*1.81	4.00	7.68	11.00	- - - - - -
PERDUE & ORTON North East, Pa.								
Dairy Ration	(99)	20.31	18.00	*0.95	4.00	7.17	12.00	- - - - - -
PINE RUN FARM SUPPLY Doylestown, Pa.								
Pine Run 16% Dairy	(7)	19.09	16.00	3.61	3.50	10.14	12.00	- - - - - -
PRESTON'S INCORPORATED Canton, Pa.								
Preston's Sweet Dairy	(510)	23.75	18.00	*1.84	4.00	*9.86	8.00	- - - - - -
PURINA MILLS St. Louis, Mo.								
Purina B & M Cow Chow	(247)	19.06	16.00	4.14	3.50	8.03	10.00	- - - - - -
RALSTON PURINA COMPANY St. Louis, Mo.								
Purina Cow Chow Supplement	(217)	23.81	24.00	4.06	3.00	6.38	11.00	- - - - - -
RED BANK MILLS New Bethlehem, Pa.								
20% Superior Dairy Feed	(406)	25.19	20.00	*2.77	4.00	10.78	10.00	- - - - - -
Red Bank 32% Excel Dairy	(408)	35.88	32.00	*3.96	4.50	6.48	10.00	- - - - - -
THE RICHARDS MILLING COMPANY Cortland, Ohio								
Richards 20% Dairy Feed	(336)	19.56	20.00	4.42	3.00	6.69	10.00	- - - - - -
ROBERTS FEED MILL Peckville, Pa.								
Rob Rose 20% Dairy Feed	(447)	21.44	20.00	*1.61	4.00	6.79	8.00	- - - - - -
H. ROCKWELL & SON Canton, Pa.								
Canton 16% Dairy Ration	(237)	17.13	16.00	5.61	3.50	12.03	12.00	- - - - - -
30% C.F.D. Dairy Supplement	(236)	36.06	30.00	5.77	3.00	7.09	10.00	- - - - - -
ROUX FEED MILLS Sharon, Pa.								
Roux Red Ribbon 16% Dairy Feed	(106)	----	16.00	----	3.00	----	12.00	- - - - - -
Roux Red Ribbon 24% Dairy Feed	(107)	----	24.00	----	3.00	----	12.00	- - - - - -
Roux Red Ribbon 32% Dairy Feed	(104)	32.63	32.00	*1.37	3.50	6.16	10.00	- - - - - -
H. B. SLOAN Lincoln University, Pa.								
Lincoln Dairy Mixing Ration	(371)	30.38	28.00	5.04	4.50	9.04	10.00	- - - - - -
A. G. SMITH Mt. Union, Pa.								
Dairy Mix	(66)	19.06	16.00	*1.97	3.50	10.28	11.00	- - - - - -
ESTATE OF GEORGE S. SNYDER Hatfield, Pa.								
Snyder's Quality Dairy Feed	(376)	26.94	17.00	4.82	3.00	7.85	8.75	- - - - - -
I. D. STEHMAN Mt. Joy, Pa.								
Home Dairy Feed	(352)	22.13	20.00	*3.34	4.00	6.59	10.00	- - - - - -
D. A. STICKELL & SONS, INC. Hagerstown, Md.								
Super 16% Dairy & Fitting Ration	(279)	20.94	16.00	3.61	3.00	6.16	11.00	- - - - - -
Dairy Queen Sweet 20% Milk Maker	(280)	26.50	20.00	4.02	3.50	6.69	10.00	- - - - - -

*Deficient

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TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
STUDEBAKER & PAWCETT Enon Valley, Pa.								
Valley 16% Dairy Ration	(321)	20.81	16.00	4.10	3.00	6.87	12.00	- - - - - -
SWINGLE BROTHERS Lake Ariel, Pa.								
Special 20% Dairy Ration	(425)	23.69	20.00	*2.83	4.00	6.97	9.00	- - - - - -
W. M. TEMPLETON & SONS Houston, Pa.								
Templeton's 20% Dairy Feed	(204)	20.75	20.00	3.97	3.50	6.84	9.00	- - - - - -
Templeton's 32% Dairy Feed	(206)	34.88	32.00	4.24	3.00	5.22	9.00	- - - - - -
THORPE, BAKER & COMPANY Carbondale, Pa.								
C-A Dairy Ration	(438)	23.63	20.00	4.00	3.00	6.62	10.00	- - - - - -
TIOCA MILLS, INC. Waverly, N. Y.								
20% Creamatina	(244)	22.38	20.00	4.44	4.00	7.02	10.00	- - - - - -
TOWN MILLS Shippansburg, Pa.								
Funk's Dairy Feed	(288)	20.56	16.00	4.02	3.25	8.04	10.50	- - - - - -
VANDERVORT MILLS Laceyvilla, Pa.								
Vandervort's 20% Special Dairy Ration	(432)	21.94	20.00	4.81	4.00	7.07	8.00	- - - - - -
Vandervort's 24% Dairy Ration	(433)	24.50	24.00	4.59	4.00	6.99	8.00	- - - - - -
Vandervort's 20% Spacial Dairy Ration	(229)	21.69	20.00	5.31	4.00	8.54	10.00	- - - - - -
Vandervort's 24% Dairy Ration	(227)	24.13	24.00	4.53	4.00	6.69	8.00	- - - - - -
VOLANT MILLS Volant, Pa.								
32% Dairy Ration	(311)	34.13	32.00	3.97	4.00	7.48	12.00	- - - - - -
WAYMART MILLING COMPANY Waymart, Pa.								
Way-Best Dairy Ration	(439)	25.94	20.00	5.09	3.50	7.48	10.00	- - - - - -
H. J. WEIMER, JR. Lawistown, Pa.								
18% Dairy Feed	(69)	19.06	18.00	3.41	3.50	6.48	9.00	- - - - - -
Average		23.79	----	3.92	----	7.71	----	
Proprietary Horse Feed								
MOYER & SON Souderton, Pa.								
Molassee Horse Feed	(384)	14.13	15.50	*1.83	4.00	9.94	11.00	- - - - - -
RICHARDS MILLING COMPANY Cortland, Ohio								
Richards Horse Feed	(218)	9.31	9.00	*0.93	3.00	5.64	10.00	- - - - - -
ROUX FEED MILLS Sharon, Pa.								
Roux Horse Feed	(103)	----	10.00	----	3.50	----	12.00	- - - - - -
ESTATE OF GEORGE S. SNYDER Hatfield, Pa.								
Snyder's Horse Feed	(379)	13.19	10.50	4.12	4.50	*7.99	4.00	- - - - - -
SPENCER MILLING COMPANY Thompson, Pa.								
Horse Feed	(431)	12.94	9.00	3.19	3.00	7.46	7.50	- - - - - -

*Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct	P. ct.	P. ct.	
SUNBURY MILLS, INC. Sunbury, Pa.								
Ti-O-Ge Horse Feed	(130)	14.00	10.50	3.08	3.00	8.93	10.00	- - - - - -
Average		12.72	----	2.63	----	7.99	----	
Proprietary Calf Feed								
MCMILLEN FEED MILLS Fort Wayne, Indiana								
Master Mix Calf Meal	(253)	29.25	26.00	4.16	2.50	7.70	7.00	- - - - - -
Average		29.25	----	4.16	----	7.70	----	
Proprietary Swine Feed								
R. S. ALTMAN Irwin, Pa.								
Altman's Hog Feed	(202)	16.94	16.00	3.37	3.00	4.90	7.00	- - - - - -
ANCHOR MILLS Bethlehem, Pa.								
Anchor Hog Feed	(457)	18.06	16.00	*1.44	2.00	6.26	7.00	- - - - - -
ANDERSON GRAIN & FEED COMPANY York, Pa.								
Anderson Hog Ration	(156)	24.25	17.00	*2.78	3.50	5.06	8.00	- - - - - -
Anderson Pig Meal	(157)	21.56	18.00	3.83	3.50	5.08	8.00	- - - - - -
J. S. ANDERSON'S SON Shickshinny, Pa.								
Anderson's Hog Feed	(189)	14.44	15.50	*2.54	4.25	5.85	7.75	- - - - - -
ATLANTIC SUPPLY COMPANY Duncannon, Pa.								
Atlantic Hogger	(221)	32.55	35.00	6.51	4.00	8.21	8.00	- - - - - -
CHARLES R. SAHN Windsor, Pa.								
Sahn's Hog Feed	(150)	16.50	16.00	4.03	3.00	5.21	9.00	- - - - - -
R. A. BATES & SON Knoxville, Pa.								
Oak Leaf Pig & Hog Grower	(495)	18.66	15.00	*3.35	4.00	7.69	8.00	- - - - - -
SELLEVILLE FLOUR MILL COMPANY Selleville, Pa.								
Blue Ribbon Pig Meal	(78)	*13.88	16.00	3.47	3.50	9.13	12.00	- - - - - -
CENTRAL CHEMICAL CORPORATION Gettysburg, Pa.								
Farmrite Hog Feed	(163)	15.81	15.00	*2.28	3.50	5.43	6.50	- - - - - -
J. A. CLARK Shamokin, Pa.								
Clark's Hog Meal	(60)	16.69	16.00	*2.50	3.00	4.98	8.00	- - - - - -
COOPERATIVE MILLS, INC. Manheim, Pa.								
Pork Maker 16% Protein	(286)	17.50	16.00	3.31	2.50	5.84	7.00	- - - - - -
COOPERATIVE MILLS, INC. Baltimore, Maryland								
40% Pork Maker	(213)	41.25	40.00	5.88	3.00	5.58	8.50	- - - - - -
CUMBERLAND VALLEY COOPERATIVE ASS'N. Shippensburg, Pa.								
Acorn Hog Feed	(275)	12.13	12.00	2.97	3.00	9.97	12.00	- - - - - -
DAVIS FEED MILL Rushland, Pa.								
Davis Pig Feed	(143)	20.31	15.00	4.64	3.50	5.23	7.00	- - - - - -

*Deficient

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TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
DAYTON MILLING COMPANY Towanda, Pa.								
Dayton's Pig & Hog Grower	(232)	20.63	16.00	4.01	3.10	6.09	8.60	- - - - - -
DEWALD'S MILL Bloomsburg, Pa.								
Blue Ribbon Pig & Hog Meal	(44)	16.94	14.00	*0.72	4.00	9.28	7.00	- - - - - -
DIAMOND MILLING COMPANY New Brighton, Pa.								
Diamond Pig-Hog Meal	(412)	21.63	17.00	*3.02	3.80	6.51	9.00	- - - - - -
EASTERN STATES FARMERS EXCHANGE West Springfield, Mass.								
Hog Supplement	(339)	34.94	36.00	6.87	4.00	5.50	8.50	- - - - - -
Pork Builder	(299)	14.56	15.00	2.87	3.00	4.67	6.50	- - - - - -
H. M. EPPINGER New Bedford, Pa.								
Eppinger's Pig & Hog Meal	(314)	18.50	16.00	*3.53	4.00	6.87	7.50	- - - - - -
FARMERS THRIFT MILL OF DURHAM, INC. Durham, Pa.								
Hiegel's Pig & Hog Ration	(475)	17.44	15.00	*1.44	3.50	4.92	6.50	- - - - - -
FLORY MILLING COMPANY, INC. Bangor, Pa.								
Flory Hog Meal	(196)	18.13	15.00	2.92	3.00	4.53	9.00	- - - - - -
G & M MILLING COMPANY West Wyoming, Pa.								
G & M Pig & Hog Feed	(185)	17.25	15.00	3.92	4.00	7.27	7.00	- - - - - -
H. L. GARRISON & BROTHER Berwick, Pa.								
Extra Quality Hog Feed	(115)	16.31	15.00	*2.78	4.00	6.04	7.00	- - - - - -
GENERAL MILLS, INC. Detroit, Michigan								
Larro Sow & Pig Builder	(332)	19.31	17.50	3.62	3.50	5.80	8.00	- - - - - -
GLIDDEN COMPANY Indianapolis, Ind.								
Glidden 40% Hog Concentrate	(331)	39.50	40.00	4.83	3.00	6.14	8.00	- - - - - -
WM. H. GOOD & SON Ephrata, Pa.								
Good's Hog Feed	(262)	14.63	14.00	*3.06	3.50	7.54	7.00	- - - - - -
GOODHART BROS. Walnut Bottom, Pa.								
Goodhart's Hog Feed	(290)	15.38	16.00	*3.46	4.00	7.64	8.00	- - - - - -
GOOD'S CITY MILLS, INC. Williamsport, Pa.								
Good's Pig & Hog Meal	(507)	19.19	15.00	*3.54	4.00	6.58	7.00	- - - - - -
S. H. GOSS Lewistown, Pa.								
Mt. Rock Hog Feed	(74)	15.69	15.00	3.63	4.00	6.26	7.00	- - - - - -
DR. HEINZ COMPANY Cincinnati, Ohio								
Nu-Way Pig Meal	(489)	16.00	16.00	4.12	3.50	6.22	7.00	- - - - - -
HUNTSINGER'S MILL Hegins, Pa.								
Quality Hog Feed	(21)	16.00	15.00	3.98	3.50	6.63	7.00	- - - - - -

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TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

500-4-44

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
J. B. KELLEY Washingtonville, Pa.								
Kelley's Hog Meal	(40)	15.75	14.00	5.77	3.50	11.22	12.00	- - - - - -
LEPLEY & SHIEVER Prospect, Pa.								
Diamond Hog Feed	(420)	19.06	16.00	*1.09	4.00	8.57	8.00	- - - - - -
WALTER K. LONG Center Valley, Pa.								
Hi-Standard Pig & Sog Feed	(148)	16.31	15.00	4.04	3.00	7.41	7.00	- - - - - -
LYCOMING MILLS Williamsport, Pa.								
Sog Meal	(500)	20.50	15.00	3.77	3.50	*9.54	8.00	- - - - - -
MANDATA ROLLER MILLS Berndon, Pa.								
Wendt's Pig & Hog Meal	(13)	16.38	16.00	2.88	4.00	6.88	8.00	- - - - - -
MARTINSBURG MILLING COMPANY Martinsburg, Pa.								
Champion Pig Meal	(170)	*15.62	20.00	3.64	4.00	*7.67	6.00	- - - - - -
MCAFEE FEED & SUPPLY COMPANY Clarion, Pa.								
Supermix Pig & Sog Feed	(402)	20.00	15.00	*3.46	4.00	*7.84	7.00	- - - - - -
MCMILLEN FEED MILLS Fort Wayne, Indiana								
Master Mix Hog Concentrate	(200)	44.50	40.00	1.61	1.50	5.90	8.00	- - - - - -
MEAD & SANNISTER North East, Pa.								
M. & S. Hog Feed	(89)	16.06	17.00	*1.92	3.50	5.31	7.00	- - - - - -
MIFFLINVILLE FLOUR MILL Mifflinville, Pa.								
Columbia Pig Meal	(120)	17.56	18.00	*0.95	3.00	5.83	6.00	- - - - - -
MILLPORT ROLLER MILLS Lititz, Pa.								
Zook's Just Right Pig Meal	(368)	20.56	16.00	3.60	4.00	6.64	9.00	- - - - - -
MINER-HILLARD MILLING COMPANY Wilkes-Barre, Pa.								
Superior Sog Ration	(178)	15.63	15.00	6.51	4.00	4.91	6.00	- - - - - -
EDGAR W. MUTH Springtown, Pa.								
Muth's Pig Meal	(476)	15.56	14.00	*1.58	3.50	5.91	7.00	- - - - - -
NYCE'S SUPPLY YARDS New Britain, Pa.								
Gilt Edge Pig & Hog Meal	(463)	17.13	16.00	*3.60	4.50	7.03	7.00	- - - - - -
JOSEPH OTTO North East, Pa.								
Joseph Otto Hog Feed	(86)	16.20	18.00	*1.82	4.00	5.95	9.00	- - - - - -
OWINGS BROTHERS York, Pa.								
June Bug Sog Feed	(159)	15.44	15.00	3.81	3.00	6.49	9.00	- - - - - -
PERDUE & ORTON North East, Pa.								
Hog Feed	(98)	*13.50	17.00	*0.88	4.00	4.77	8.00	- - - - - -

*Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
PETERSBURG MILLING COMPANY Bessemer, Pa.								
Pemico Hog Feed	(318)	20.13	20.00	*2.59	4.00	6.73	10.00	- - - - - -
PINOLA ELEVATOR COMPANY Shippenburg, Pa.								
Rowe Pig & Hog Meal	(453)	17.94	18.00	*2.71	4.00	4.87	8.00	- - - - - -
RALSTON PURINA MILLS COMPANY St. Louis, Missouri								
Chow Mix Hog Feed 8	(248)	15.56	14.00	*0.85	2.50	4.19	7.00	- - - - - -
READING MILLING COMPANY Reading, Pa.								
Reading Hog Feed	(355)	20.44	14.00	*2.88	4.00	5.52	11.00	- - - - - -
RED BANK MILLS New Bethlehem, Pa.								
Red Bank Special Hog Feed	(407)	17.81	15.00	*2.58	4.00	5.48	7.00	- - - - - -
REECE & GREENLY COMPANY Millville, Pa.								
R & G Co. Pig Meal	(47)	15.38	15.00	4.64	3.00	6.68	10.00	- - - - - -
RICHARDS MILLING COMPANY Cortland, Ohio								
Richard's Pig & Hog Meal	(333)	18.25	16.00	*1.39	2.50	6.88	8.00	- - - - - -
ROUX FEED MILLS Sharon, Pa.								
Roux Porkmester Hog Meal	(110)	25.31	18.00	*0.59	3.00	5.63	10.00	- - - - - -
SACRAMENTO ROLLER MILLS Sacramento, Pa.								
Sacromill Hog Feed	(15)	17.56	17.00	3.61	4.00	5.76	7.00	- - - - - -
EARL SAUDER Ephrata, Pa.								
Sauder's Pig Meal	(372)	21.69	18.00	*2.27	4.00	5.98	8.00	- - - - - -
SCOTLAND ELEVATOR Scotland, Pa.								
Quality Hog Feed	(451)	15.63	15.63	3.17	3.17	6.84	6.84	- - - - - -
GARD M. SMITH Newport, Pa.								
Pig-Meal	(450)	15.81	17.00	3.76	4.00	6.78	7.00	- - - - - -
JESSE C. STEWART COMPANY Pittsburgh, Pa.								
Iron City Hog Feed	(345)	23.63	17.50	*1.29	4.00	6.96	7.00	- - - - - -
SUNBURY MILLS, INC. Sunbury, Pa.								
Sunbury Hog & Pig Feed	(133)	17.88	16.00	*1.63	3.00	5.28	8.00	- - - - - -
FRANK C. SWOYER Hamburg, Pa.								
Hamburg Hog Feed	(374)	19.38	15.00	4.46	4.00	*6.10	5.50	- - - - - -
ALBERT J. THOMPSON Wycombe, Pa.								
Xcelmix Pig Feed	(139)	20.63	15.00	*1.02	2.50	5.11	6.00	- - - - - -
W. B. THOMPSON & SON Waynesboro, Pa.								
Thompson Pig & Hog Meal	(61)	16.00	15.00	3.51	2.00	5.61	11.50	- - - - - -

*Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

500-4-44

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct	P. ct.	P. ct.	
TOWN MILLS Shippensburg, Pa.								
Funk's Best Pig & Hog Meal	(287)	*14.13	17.50	*3.09	4.50	*6.13	5.00	- - - - - -
VANDERVORT MILLS Wysox, Pa.								
Vandervort'e Hog Ration	(230)	*16.94	20.00	*3.79	4.50	4.89	7.00	- - - - - -
H. J. WEIMER, JR. Lewistown, Pa.								
Hog Feed	(71)	*14.88	18.00	3.04	3.00	5.79	7.50	- - - - - -
M. M. WENGER Rhaems, Pe.								
J. W. Complete Hog Feed	(260)	15.88	14.00	*2.95	3.50	5.09	6.50	- - - - - -
H. G. WEST Slippery Rock, Pa.								
West'e Special Hog Ration	(301)	22.50	18.00	5.02	4.00	7.50	9.00	- - - - - -
Average		19.00	----	3.15	----	6.33	----	
Proprietary Chop Feed								
G & M MILLING COMPANY West Wyoming, Pa.								
G & M Corn & Oete Chop	(186)	12.06	13.50	*5.12	6.04	8.25	7.46	- - - - - -
EDW. HELLYER Alexandria, Pa.								
Corn & Oate Chop	(82)	10.31	10.00	*1.00	3.50	5.99	11.00	- - - - - -
K. L. LANEY Huntingdon, Pa.								
Lanay's Stock Feed Chop	(80)	9.06	8.00	2.76	3.00	9.78	13.00	- - - - - -
MCAFEE FEED & SUPPLY COMPANY Clarion, Pa.								
Supermix Hi-Pro Chop	(401)	12.63	12.00	2.78	3.00	10.53	2.00	- - - - - -
MEAD & BANNISTER North East, Pa.								
M. & B. Chop	(92)	13.85	12.00	*0.82	5.00	5.91	11.00	- - - - - -
MINER-HILLARD MILLING COMPANY Wilkes-Barra, Pa.								
Mixed Chop	(179)	10.00	7.00	2.96	2.00	4.05	7.00	- - - - - -
JOSEPH OTTO North East, Pa.								
Joseph Otto Chop Feed	(87)	11.63	10.00	*0.75	4.00	6.79	8.00	- - - - - -
Average		11.36	----	2.31	----	7.33	----	
Proprietary Scratch Feed								
H. M. EPPINGER New Bedford, Pa.								
Eppinger's Scratch Grains	(313)	10.75	10.00	*1.86	3.00	3.41	5.00	- - - - - -
KREIDER MILLS Lebanon, Pa.								
Scratch Feed	(481)	12.13	10.88	3.34	2.90	3.18	3.18	- - - - - -
MCMILLEN FEED MILLS Fort Wayne, Indiana								
Master Mix Chick Scratch	(252)	13.00	10.00	2.59	2.50	2.17	4.00	- - - - - -
P. J. OESTERLING & SON, INC. Butler, Pa.								
Suneide Scratch Grains	(304)	12.44	10.00	2.71	2.00	3.88	7.00	- - - - - -

*Deficient

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TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
PERDUE & ORTON North East, Pa.								
Scratch Feed	(94)	12.69	10.00	*1.02	3.50	3.77	3.50	- - - - - -
JESSE C. STEWART COMPANY Pittsburgh, Pa.								
Red Letter Scratch Feed	(344)	12.19	9.00	3.19	2.50	4.37	5.00	- - - - - -
Average		12.20	----	2.45	----	3.46	----	
Proprietary Mash Feed								
ALLIED MILLS, INC. Chicago, Ill.								
Wayne Flushing Mash	(294)	22.00	20.00	3.61	3.00	3.64	6.00	- - - - - -
Wayne Egg Mash	(219)	19.56	20.00	4.16	3.00	7.21	8.00	- - - - - -
R. S. ALTMAN Irwin, Pa.								
Altman's Buttermilk Growing Mash	(201)	22.69	16.00	3.29	3.00	4.20	9.00	- - - - - -
Altman's Buttermilk Starting & Broiler Mash	(125)	23.55	15.00	3.22	3.00	4.92	8.00	- - - - - -
Altman's Super "A" Yeast Egg Mash	(126)	24.13	22.00	4.88	3.50	5.00	8.00	- - - - - -
Altman's Quality Egg Mash	(124)	22.38	18.00	3.02	3.00	5.55	9.00	- - - - - -
Altman's Super "A" Yeast Starter & Broiler	(327)	22.81	17.00	3.81	3.00	4.75	8.00	- - - - - -
Altman's Yeast Growing Mash	(324)	22.75	16.00	3.33	3.00	6.93	9.00	- - - - - -
ANCHOR MILLS Bethlehem, Pa.								
Anchor Chick Starter	(460)	20.13	18.00	2.85	2.00	7.70	7.00	- - - - - -
Anchor Growing Mash	(459)	19.31	16.00	*1.64	2.00	6.98	7.00	- - - - - -
Anchor Laying Mash	(458)	22.44	20.00	*1.29	2.00	7.49	7.00	- - - - - -
J. S. ANDERSON'S SON Shickshinny, Pa.								
Anderson's All Mash Starter & Grower	(188)	15.81	16.00	3.76	4.00	6.01	9.00	- - - - - -
Anderson's Egg Mash	(187)	18.50	18.00	4.94	3.50	5.35	9.50	- - - - - -
H. O. ANDREWS & SONS Mapleton Depot, Pa.								
Triple-A-Laying Mash	(84)	19.69	20.00	3.52	3.50	5.77	7.00	- - - - - -
CHARLES R. SAHN Windsor, Pa.								
Sahn's Super Layer ManAmash	(151)	19.50	18.00	3.79	3.50	6.08	7.50	- - - - - -
Sahn's 20% Laying Mash	(152)	21.25	20.00	4.39	4.00	6.51	7.50	- - - - - -
Sahn's ManAmash Startar & Grower Ration	(153)	19.38	18.00	4.63	3.50	5.88	8.00	- - - - - -
A. J. SALSHI Catawissa, Pa.								
Must Live & Gro Chick Starter	(32)	19.06	19.00	4.78	3.50	6.48	8.00	- - - - - -
Must Lay Egg Mash (Pellets)	(33)	20.50	19.00	*3.03	3.50	6.08	8.00	- - - - - -
Must Lay Egg Mash	(31)	20.31	18.00	4.87	3.50	6.23	8.00	- - - - - -
Must Gro Growing Mash	(30)	19.88	19.00	4.70	3.50	6.81	8.00	- - - - - -
SARE MILLING COMPANY Roaring Spring, Pa.								
Sterling Starting & Growing Mash	(169)	17.19	16.00	*3.28	4.00	5.00	7.00	- - - - - -
Sterling Laying Mash	(168)	20.00	18.00	4.09	4.00	6.41	7.50	- - - - - -
R. A. SATES & SON Knoxville, Pa.								
Oak Leaf Chick Starter & Grower	(496)	22.13	18.00	*2.57	4.00	6.18	8.00	- - - - - -
Oak Leaf Egg Mash	(497)	22.38	18.00	4.01	4.00	6.50	8.00	- - - - - -
SELLEVILLE FLOUR MILLS COMPANY Belleville, Pa.								
Vitamized Starting Mash	(77)	19.25	17.00	4.61	4.00	6.66	7.00	- - - - - -
Vitamized 18% Laying Mash	(76)	18.31	18.00	4.39	3.75	5.98	10.00	- - - - - -

*Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
BENTON ROLLER MILLS Benton, Pa.								
Laying Mash	(50)	16.94	17.00	*2.33	4.50	7.52	9.00	- - - - - -
Milk & Oil Milk Laying Mash	(49)	16.50	17.00	*1.40	4.50	6.72	9.00	- - - - - -
Spacial Starting Mash	(48)	16.06	17.00	*1.26	3.50	6.20	8.00	- - - - - -
BRIAR CREEK MILLS Briar Creek, Pa.								
Chick Buildar	(119)	*15.44	18.00	*2.37	4.00	5.88	7.00	- - - - - -
Egg Mash	(118)	17.75	18.00	*2.74	4.00	6.72	9.00	- - - - - -
Growing Mash	(117)	19.44	17.00	*2.89	4.00	*7.98	7.00	- - - - - -
BROWN & FASSETT Tunkhannock, Pa.								
B. & F. Favorite Dry Mash	(445)	21.00	18.00	*4.04	5.00	6.23	9.00	- - - - - -
BROWN & REA Atglen, Pa.								
B. & R. Laying Mash	(267)	27.13	20.00	*1.33	3.00	7.81	9.50	- - - - - -
JOHN S. BROWN'S SON Ellwood City, Pa.								
Our Quality Laying Mash	(423)	21.63	20.00	*1.01	4.00	5.68	7.00	- - - - - -
CASSELLS BROTHERS Manhein, Pa.								
Cassells Mixed Growing Mash	(360)	16.06	14.00	*2.17	3.50	4.17	7.00	- - - - - -
CATAWISSA MILLING COMPANY Catawissa, Pa.								
Kernie's Growing Mash	(29)	18.38	18.00	4.05	4.50	6.86	7.00	- - - - - -
Karnie's Laying Mash	(28)	18.44	18.00	3.91	4.00	7.27	8.00	- - - - - -
Blue Ribbon Breeder Mash	(26)	20.31	20.00	4.08	4.50	7.78	8.00	- - - - - -
CENTRAL CHEMICAL CORPORATION Gettysburg, Pa.								
Farmrita Starter & Grower	(166)	17.75	18.00	*3.43	4.00	6.10	7.00	- - - - - -
Farmrita Laying Mash	(164)	21.69	18.00	5.26	4.00	6.56	7.00	- - - - - -
J. A. CLARK Shamokin, Pa.								
Clark's Laying Mash	(59)	19.63	20.00	*3.06	3.50	5.06	7.50	- - - - - -
Clark's Broiler Mash	(58)	19.56	17.00	4.54	3.50	4.87	7.00	- - - - - -
Clark's Growing Mash	(57)	20.00	18.00	*3.02	3.50	5.31	7.50	- - - - - -
Clark'a Chick Starter	(56)	18.06	17.00	*3.01	3.50	6.12	6.50	- - - - - -
E. F. CLEMMER Spring Mount, Pa.								
Clemmer's Special Laying Mash	(480)	21.69	19.00	*1.51	4.00	5.36	6.00	- - - - - -
G. E. CONKEY COMPANY Cleveland, Ohio								
Conkey's Y-O (Brand) Growing Mash	(341)	19.94	18.00	*2.93	3.50	4.74	7.00	- - - - - -
ROBERT COOK & SONS Elverson, Pa.								
Elverson Laying Mash	(270)	20.69	20.00	4.06	4.50	5.40	6.75	- - - - - -
COOPERATIVE MILLS, INC. Manhein, Pa.								
Starting & Growing Mash	(284)	20.69	18.00	3.24	3.00	6.09	7.00	- - - - - -
Growing Mash	(357)	17.31	17.50	3.12	3.00	6.66	7.50	- - - - - -
Super Braading Mash	(283)	25.94	20.00	*2.59	3.00	6.34	7.00	- - - - - -
COOPERATIVE MILLS, INC. Baltimore, Maryland								
Super Laying Mash	(211)	20.13	20.00	*2.68	3.50	6.23	7.50	- - - - - -
CUMBERLAND VALLEY COOPERATIVE ASS'N. Shippensburg, Pa.								
Old Reliable Vitamin Fresh Growing Mash	(278)	20.38	17.00	3.25	3.00	6.84	8.00	- - - - - -

*Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

3.20-4-44

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
CUMBERLAND FARM BUREAU COOPERATIVE ASS'N. Shippensburg, Pa.								
Vita-Min-Rich Manamar Laying Mash	(282)	18.31	18.00	3.51	3.50	7.18	7.50	- - - - - -
DANVILLE MILLING COMPANY Danville, Pa.								
17% Danville Laying Mash	(36)	17.50	17.00	4.14	4.00	6.42	8.00	- - - - - -
DARLINGTON MILLING COMPANY Darlington, Pa.								
Darmico Starter	(323)	18.44	17.00	4.64	4.50	8.32	8.00	- - - - - -
DAVIS FEED MILL Ruehland, Pa.								
Davis Growing Mash	(140)	21.94	17.00	*4.39	5.00	5.34	7.00	- - - - - -
Davis Laying Mash	(142)	22.63	20.00	4.54	4.00	5.44	7.00	- - - - - -
Davis Starter Mash	(141)	22.44	19.00	*4.40	5.00	4.98	7.00	- - - - - -
DAYTON MILLING COMPANY Towanda, Pa.								
Dayton's Starter & Grower	(234)	20.13	19.00	*2.56	3.80	5.21	8.00	- - - - - -
Dayton's Ideal Laying Mash	(233)	23.38	19.00	4.36	3.70	6.98	8.00	- - - - - -
DEWALD MILL Bloomsburg, Pa.								
Blue Ribbon Laying Mash	(42)	20.88	18.00	*1.04	4.00	8.08	8.00	- - - - - -
Blue Ribbon Starter & Grower	(43)	21.00	16.00	*2.96	4.00	6.65	7.00	- - - - - -
Blue Ribbon Turkey Starter & Grower	(41)	25.63	24.00	6.31	4.00	6.78	7.00	- - - - - -
DIAMOND MILLING COMPANY New Brighton, Pa.								
Diamond Grower Mash	(410)	22.88	17.00	*1.17	3.50	8.70	8.50	- - - - - -
Diamond Layer Mash	(411)	23.56	20.00	3.69	3.50	6.57	8.00	- - - - - -
EASTERN STATES FARMERS EXCHANGE West Springfield, Mass.								
Fitting Ration	(298)	16.81	14.00	3.75	3.00	8.41	9.50	- - - - - -
R. S. EMBODY & SON Perkiomenville, Pa.								
Embody's Laying Mash	(470)	20.69	18.40	*1.77	5.20	7.61	8.00	- - - - - -
H. M. EPPINGER New Bedford, Pa.								
Eppinger's Laying Mash	(315)	21.38	18.00	4.17	4.00	6.98	7.50	- - - - - -
Eppinger's Starting & Growing Mash	(312)	19.31	17.00	4.74	4.00	7.47	7.50	- - - - - -
JOHN W. ESHELMAN & SONS Lancaster, Pa.								
Maintenance 18% Laying Mash	(220)	18.44	18.00	4.18	3.50	5.88	8.00	- - - - - -
Eshelman Red Rose All-Mash Starter	(340)	17.13	18.50	3.66	3.50	5.16	6.50	- - - - - -
Eshelman Red Rose Laying Mash	(418)	18.56	20.00	3.36	3.50	5.83	7.50	- - - - - -
Red Rose Growing Mash	(417)	18.06	16.00	4.26	3.50	5.37	7.50	- - - - - -
ESTATE OF GEO. S. SNYDER Hatfield, Pa.								
Snyder's Best Egg Mash	(378)	26.50	17.00	*1.55	4.00	6.32	6.50	- - - - - -
Snyder's Starting Mash	(377)	20.31	16.50	*1.74	4.00	5.18	5.50	- - - - - -
FARMERS THRIFT MILL OF DURHAM, INC. Durham, Pa.								
Riegel's Laying Mash	(474)	20.06	18.00	*1.92	3.50	5.69	7.50	- - - - - -
Riegel's Egg Mash	(473)	24.31	20.00	*2.31	3.00	5.58	7.00	- - - - - -
Riegel's Starter & Grower	(472)	21.13	18.00	*2.55	3.00	6.18	6.50	- - - - - -
FLORY MILLING COMPANY, INC. Bangor, Pa.								
Flory Starter Mash	(195)	21.75	18.00	4.89	4.00	5.34	7.50	- - - - - -
Flory Laying Mash	(194)	20.13	19.00	*2.52	4.00	5.20	7.50	- - - - - -
Flory 18% Growing Mash	(193)	20.06	18.00	3.86	4.00	5.34	7.50	- - - - - -

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TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

500-4-44

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
S. FOUGHT & SON Hugheeville, Pa.								
Fought's Penn State Laying Mash	(496)	19.94	16.00	*1.56	3.76	5.84	10.00	- - - - - -
DANIEL H. FOX New Holland, Pa.								
Weaverland Feeds Egg Mash	(362)	22.31	20.00	*2.02	4.50	5.40	7.00	- - - - - -
E. B. FREY Emmaus, Pa.								
Red Feather Laying Mash	(396)	20.13	20.00	*1.17	4.50	6.71	7.00	- - - - - -
Red Feather Starting Mash	(395)	18.81	16.00	*3.02	4.00	6.60	6.00	- - - - - -
FREYERMUTH MILLS Fredonia, Pa.								
Freyermuth's Quality Egg Mash	(112)	16.63	20.00	3.84	4.00	7.74	7.00	- - - - - -
O & M MILLING COMPANY West Wyoming, Pa.								
O & M Chick Starter Mash	(161)	16.44	18.00	*3.12	4.00	6.26	6.00	- - - - - -
O & M Growing Mash	(182)	17.06	16.00	*2.94	4.00	5.44	7.00	- - - - - -
O & M 20% Egg Mash	(183)	20.19	20.00	3.67	4.00	6.66	7.50	- - - - - -
H. L. GARRISON & BROTHER Berwick, Pa.								
Extra Quality Chick Starter & Growing Mash	(114)	22.69	16.00	*3.32	6.00	6.93	7.00	- - - - - -
Extra Quality Laying Mash	(113)	21.06	18.00	5.12	6.00	6.98	10.00	- - - - - -
PAUL H. GEHMAN Ephrata, Pa.								
Martin's Laying Mash	(263)	20.66	20.00	2.89	3.00	5.71	7.00	- - - - - -
GENERAL MILLS, INC., LARROWE DIVISION Detroit, Mich.								
Larro Chick Builder	(329)	19.75	19.00	3.76	3.00	5.04	7.00	- - - - - -
GOOD'S CITY MILLS, INC. Williamsport, Pa.								
Good's Growing Mash	(505)	20.75	18.00	4.71	4.00	6.33	7.00	- - - - - -
Good's Goodmash	(506)	23.25	18.00	4.66	4.00	6.57	6.00	- - - - - -
S. H. GOSS Lewistown, Pa.								
Mt. Rock Poultry Mash	(73)	19.56	18.00	*1.53	4.00	6.67	7.00	- - - - - -
HANEY-FRAZIER MILLING COMPANY Danville, Pa.								
Haney-Frazier Starting Mash	(34)	19.06	16.00	4.91	3.50	5.15	6.50	- - - - - -
Haney-Frazier Laying Mash	(35)	19.50	16.00	5.03	3.00	6.84	6.50	- - - - - -
HARPER FEED MILLS, INC. Washington, Pa.								
Harco Broiler Mash	(210)	*17.13	20.00	3.59	3.00	5.03	7.00	- - - - - -
I. G. HEIMBACH & SON East Greenville, Pa.								
Victory Egg Mash	(389)	20.00	16.50	*2.57	4.00	6.51	6.50	- - - - - -
Heimbach's Square Deal Starter & Grower	(390)	16.50	16.00	*1.16	4.00	5.19	6.00	- - - - - -
DR. HEINZ COMPANY Cincinnati, Ohio								
Nu-Way Starting & Growing Mash	(488)	21.50	16.00	4.43	3.50	5.83	6.00	- - - - - -
Heinz Nu-Way Laying Mash	(487)	17.38	16.00	4.23	3.50	4.99	6.00	- - - - - -
EDW. HELLYER Alexandria, Pa.								
Hellyer's Laying Mash	(81)	19.75	19.00	*2.01	6.00	4.15	5.00	- - - - - -

*Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
S. H. HIESTAND & COMPANY Salunga, Pa.								
Salunga Egg Mash	(259)	20.25	18.00	4.21	4.00	6.12	7.00	- - - - - -
Salunga Broiler Mash	(258)	20.94	20.00	3.68	3.50	5.19	7.00	- - - - - -
FRED L. & JOHN E. HOMSHER Strasburg, Pa.								
Homsher's 20% Egg Mash	(351)	20.63	20.00	*2.78	4.00	7.47	7.50	- - - - - -
Homsher's Growing Mash	(350)	18.25	18.00	*3.19	4.00	7.22	7.00	- - - - - -
HUNTSINGER'S MILL Hegins, Pa.								
Quality Growing Mash	(20)	19.56	17.00	5.31	3.50	6.48	6.00	- - - - - -
Quality Egg Mash	(18)	20.19	19.00	5.22	3.60	*7.26	6.50	- - - - - -
JONESTOWN ROLLER MILLS Orangeville, Pa.								
Egg Mash	(128)	*16.69	19.81	*3.95	6.72	5.04	4.70	- - - - - -
KASCO MILLS, INC. Waverly, New York								
Kasco Egg Producer	(469)	22.13	20.00	3.01	3.00	6.08	7.50	- - - - - -
All-Mash Grower	(468)	16.66	15.00	3.71	3.00	6.10	7.00	- - - - - -
J. S. KELLEY Washingtonville, Pa.								
Kelley's Chick Starter	(39)	15.00	16.00	*2.81	4.00	6.41	9.00	- - - - - -
Kelley's Laying Mash	(38)	17.81	17.00	6.73	3.50	9.41	11.00	- - - - - -
Kelley's Growing Mash	(37)	18.06	17.00	6.33	3.50	9.58	11.00	- - - - - -
KINTNER MILLING COMPANY Mahoopany, Pa.								
Kmco Laying Mash	(443)	21.94	20.00	3.64	4.00	6.81	7.00	- - - - - -
K. L. LANEY Huntingdon, Pa.								
Laney's Pennsylvania Mash	(79)	19.19	18.00	4.01	3.50	8.79	11.00	- - - - - -
LEPLEY & SRIEVER Prospect, Pa.								
Special Egg Mash	(419)	20.63	18.00	*3.81	5.00	6.48	8.00	- - - - - -
LIGHT STREET MILLING COMPANY Orangeville, Pa.								
Very Best Chick Starter	(53)	22.21	18.00	*1.57	4.00	5.25	7.00	- - - - - -
Very Best Egg Mash	(52)	18.38	18.00	*2.44	4.00	5.33	7.00	- - - - - -
Very Best Growing Mash	(51)	17.50	16.00	*1.03	4.00	5.23	7.00	- - - - - -
LINDEN GROVE ROLLER MILLS East Earl, Pa.								
Linden Grove Laying Mash	(366)	21.13	18.00	*1.09	3.50	6.93	7.50	- - - - - -
Linden Grove Chick Starter & Growing Mash	(365)	18.06	17.00	*1.49	3.50	*7.68	6.50	- - - - - -
WALTER K. LONG Center Valley, Pa.								
Ri-Standard Laying Mash	(147)	20.94	20.00	4.12	4.00	6.53	8.00	- - - - - -
LYCOMING MILLS Williamsport, Pa.								
Lycoming Mills Growing Mash	(503)	22.06	18.00	3.74	4.00	7.81	8.00	- - - - - -
Lycoming Laying Mash	(502)	22.31	19.00	4.06	4.60	6.21	8.00	- - - - - -
HARRY L. MARTIN East Earl, Pa.								
Carnarvon Manamar Pullet Builder	(364)	18.50	16.00	*1.93	3.50	6.81	7.50	- - - - - -
Carnarvon Manamar Laying Mash	(363)	22.00	18.00	*0.92	3.50	7.26	7.50	- - - - - -
MARTINSBURG MILLING COMPANY Martinsburg, Pa.								
Champion 20% Egg Mash	(171)	19.75	20.00	3.60	4.00	7.42	7.50	- - - - - -

*Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
ROARING CREEK MILL Catawissa, Pa.								
All Mash Must Lay Egg Mash	(25)	18.88	16.00	4.01	3.50	6.06	7.00	- - - - - -
Must Gro Growing Mash	(23)	19.88	19.00	4.89	3.50	6.95	8.00	- - - - - -
Must Lay Egg Mash	(22)	19.50	19.00	4.83	3.50	6.73	8.00	- - - - - -
Must Liv & Gro Chick Starter	(24)	18.81	19.00	4.69	3.50	6.94	8.00	- - - - - -
H. ROCKWELL & SON Canton, Pa.								
Han-O-La Mash with Oil	(240)	18.38	19.00	4.09	4.00	5.98	10.00	- - - - - -
Rockwell's Production Mash	(238)	22.88	19.00	*3.02	4.00	7.40	8.00	- - - - - -
ROUX FEED MILLS Sharon, Pa.								
Roux Blue Ribbon Turkey Starter	(105)	23.38	24.00	*3.24	4.50	6.40	6.00	- - - - - -
Roux Chick Starter	(102)	25.89	18.00	*0.62	3.50	6.64	8.00	- - - - - -
Roux Economy Egg Mash	(108)	24.81	20.00	*0.56	4.00	5.36	8.00	- - - - - -
Roux Egg Mash	(109)	23.25	20.00	*0.64	3.50	5.26	8.00	- - - - - -
Roux Growing Mash	(100)	25.63	19.00	*0.71	3.50	6.07	8.00	- - - - - -
Roux Tenderich Broiler Mash	(101)	22.63	18.00	*0.53	3.30	3.91	8.00	- - - - - -
SACRAMENTO ROLLER MILLS Sacramento, Pa.								
Daisy Egg Mash	(16)	19.69	18.00	3.66	4.00	7.14	7.50	- - - - - -
Sacromill Egg Mash	(14)	18.25	20.00	4.77	4.30	6.73	7.00	- - - - - -
Sacromill Starting Mash	(17)	16.73	17.00	*3.98	5.00	6.63	7.00	- - - - - -
EARL SAUDER Ephrata, Pa.								
Saudar's Starting & Grower Mash	(373)	21.25	17.50	*2.78	4.00	*6.25	3.00	- - - - - -
SCRANTON FLOUR & GRAIN COMPANY Scranton, Pa.								
Penn State Laying Mash	(446)	23.06	20.00	*2.67	6.00	6.36	7.00	- - - - - -
H. S. SLOAN Lincoln University, Pa.								
Lincoln 18% Laying Mash	(370)	20.36	18.00	*3.18	4.00	3.69	8.00	- - - - - -
A. G. SMITH Mt. Union, Pa.								
The Nu-Way Chick Starter	(67)	18.88	15.20	3.06	3.00	*5.23	4.00	- - - - - -
The Nu-Way Egg Mash	(68)	19.69	17.00	*3.38	4.41	4.87	5.00	- - - - - -
GARD M. SMITH Newport, Pa.								
Vitamin Laying Mash	(449)	19.63	18.00	3.37	3.30	5.68	7.00	- - - - - -
SOMERSET MILLING COMPANY Somerset, Pa.								
Just Right Growing Mash	(342)	22.38	17.50	4.53	4.00	7.00	6.50	- - - - - -
Just Right Starting Mash	(343)	20.31	17.00	3.94	4.00	6.08	6.00	- - - - - -
SPRING GARDEN MILL Newtown, Pa.								
Spring Garden Breeder Mash	(143)	22.50	19.98	5.27	5.30	5.38	6.37	- - - - - -
Spring Garden Developer	(144)	21.06	19.97	*3.39	5.43	3.84	6.20	- - - - - -
Spring Garden Turkey Starter	(146)	30.00	24.00	*4.13	3.00	6.76	7.30	- - - - - -
ELMER G. STAHL Zionsville, Pa.								
Stahl's Egg Mash	(394)	22.56	20.00	*3.57	4.00	6.64	6.50	- - - - - -
Stahl's Starter & Grower	(393)	20.19	18.00	*2.36	4.00	7.18	6.50	- - - - - -
I. D. STEHMAN Mt. Joy, Pa.								
B & S Growing Mash	(273)	23.31	16.00	6.57	4.00	4.29	6.00	- - - - - -
JOSEPH I. STEER & SONS Pitman, Pa.								
Steer's Best Starter & Grower	(54)	18.94	20.00	4.32	4.50	5.97	7.00	- - - - - -

*Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

500-4-44

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	P. ct.	
JESSE C. STEWART COMPANY **Pittsburgh, Pa.**								
All-Mash Chick Starter & Grower	(216)	24.56	15.00	*1.93	5.00	*6.68	6.00	- - - - - -
D. A. STICKELL & SONS, INC. **Hegeretown, Maryland**								
Su·our All Mash Starter	(281)	21.44	16.50	4.09	3.00	4.24	5.00	- - - - - -
ESTATE OF EDWIN F. STOVER **Perkasie, Pa.**								
ar'a Diamond Chick Starter	(386)	21.69	17.00	3.69	4.00	5.18	7.00	- - - - - -
ar's Diamond Laying Mash	(387)	22.06	20.00	*4.32	5.00	5.92	6.00	- - - - - -
er'e 18% Dairy Feed	(388)	22.44	18.00	4.63	3.25	8.78	12.00	- - - - - -
HORACE H. STROH **Hamburg, Pa.**								
andard Chick Starter	(348)	18.19	17.00	*1.36	4.00	8.87	8.00	- - - - - -
tandard Laying Mash	(349)	20.56	20.00	*1.06	4.50	6.64	6.50	- - - - - -
STUDEBAKER & FAWCETT **Enon Valley, Pa.**								
Valley Chick Starter & Grower	(320)	24.00	20.00	4.21	3.50	6.52	6.00	- - - - - -
Valley 19% Laying Mash	(319)	22.06	19.00	3.26	3.50	6.04	8.50	- - - - - -
SUNBURY MILLS, INC. **Sunbury, Pa.**								
Chicetina	(135)	22.56	20.00	4.92	3.00	6.72	7.50	- - - - - -
Egatina	(134)	24.75	22.00	3.46	3.50	6.90	7.50	- - - - - -
Ti-O-Ga Grower	(131)	19.50	18.00	4.19	3.00	7.20	8.00	- - - - - -
Ti-O-Ga Turkey Grower	(132)	22.19	20.00	3.19	3.00	7.06	8.00	- - - - - -
SWINGLE BROTHERS **Lake Ariel, Pa.**								
Direct Fitting Ration	(426)	13.00	12.00	*0.62	3.50	6.21	10.00	- - - - - -
FRANK C. SWOYER **Hamburg, Pa.**								
Hamburg Egg Mash	(375)	21.44	18.00	4.96	4.50	6.53	6.00	- - - - - -
W. M. TEMPLETON & SONS **Houston, Pa.**								
Templaton's Egg Mash	(203)	17.81	19.00	*3.01	4.00	5.53	7.00	- - - - - -
Tampleton's Starting & Growing Mash	(205)	17.25	17.00	3.81	3.50	5.38	7.00	- - - - - -
ALBERT J. THOMPSON **Wycomba, Pa.**								
Xcelmix Growing Mash	(138)	18.31	17.00	*0.56	4.00	5.91	6.50	- - - - - -
Xcelmix XXX Laying Mash	(137)	----	19.00	----	4.00	----	6.50	- - - - - -
W. S. THOMPSON & SON **Waynesboro, Pa.**								
Thompson Chick Starter & Grower	(63)	20.13	19.00	3.73	4.00	6.63	7.00	- - - - - -
Thompson Egg Mash	(62)	19.44	18.00	3.25	3.00	7.43	7.50	- - - - - -
THORPE, BAKER & COMPANY **Carbondale, Pa.**								
Red Tag Starter & Grower Mash	(437)	22.50	19.00	3.58	3.00	5.17	8.00	- - - - - -
TIOGA MILLS, INC. **Waverly, N. Y.**								
Chicatina	(515)	22.75	20.00	3.62	3.00	5.50	7.50	- - - - - -
Egatine	(241)	23.38	22.00	3.38	3.50	6.44	7.50	- - - - - -
Ti-O-Ga Grower	(242)	20.50	18.00	*2.24	3.00	6.17	8.00	- - - - - -
TOWN MILLS **Shippensburg, Pa.**								
(M) Laying Mash	(286)	17.38	17.50	4.66	4.30	6.36	6.00	- - - - - -
VANDERVORT MILLS **Wysox, Pa.**								
Vendervort'e Buttermilk Mash	(226)	21.25	20.00	3.73	4.00	5.06	8.00	- - - - - -
Vandervort'e 12% Fitting Ration	(228)	14.63	12.00	5.80	4.00	6.66	7.00	- - - - - -

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TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

500-8-44

MANUFACTURER AND BRAND NAME		PROTEIN Found P. ct.	PROTEIN Guar. P. ct.	FAT Found P. ct.	FAT Guar. P. ct.	FIBER Found P. ct.	FIBER Guar. P. ct.	COMPOSITION
VOLANT MILLS Volant, Pa.								
Volant Mills 15% Developer	(310)	19.19	16.00	*1.08	4.00	5.73	7.50	- - - - - -
Volant Mills Starting Mash	(309)	19.94	18.00	*1.25	4.00	5.64	7.00	- - - - - -
WAYMART MILLING COMPANY Waymart, Pa.								
Way-Best Breeding & Laying Mash	(440)	22.69	20.00	4.06	4.00	6.03	7.50	- - - - - -
WAYNE MILLING COMPANY Honesdale, Pa.								
Wayne Starting & Growing Mash	(428)	20.75	17.50	*2.69	4.00	6.63	6.00	- - - - - -
H. J. WEIMER, JR. Lewistown, Pa.								
20% Laying Mash	(70)	*17.50	20.00	*3.39	4.00	4.61	7.00	- - - - - -
M. M. WENGER Rheems, Pa.								
M. W. Supreme Laying Mash	(261)	19.63	20.00	4.25	3.50	5.54	7.00	- - - - - -
H. G. WEST Slippery Rock, Pa.								
Master Egg Mash	(300)	20.94	18.00	4.83	4.00	6.38	8.00	- - - - - -
R. A. WESTERMAN Freeport, Pa.								
Home Mix-A-Egg Mash	(422)	17.75	17.00	*1.54	3.25	6.95	8.00	- - - - - -
Home Mix Growing Mash	(421)	17.94	16.00	3.13	3.00	6.52	7.00	- - - - - -
WHITE HORSE ROLLER MILLS Gap, Pa.								
Stauffer's Laying Mash	(271)	19.94	20.00	4.40	4.00	*7.72	6.50	- - - - - -
Stauffer's Starting & Growing Mash	(272)	18.13	16.00	4.67	4.00	5.79	7.00	- - - - - -
C. M. WOLF Gettysburg, Pa.								
Wolf's Special Egg Mash	(167)	17.19	18.00	3.16	4.90	*8.97	5.30	- - - - - -
Average		20.42	----	3.34	----	6.24	----	
Proprietary Small Animal Feed								
ATLAS CANNING COMPANY, INC. Glendale, L. I. N. Y.								
Laddie Boy	(482)	*6.92	8.00	1.74	2.00	0.47	1.00	- - - - - -
Laddie Boy	(1)	7.11	8.00	5.23	2.00	0.61	1.00	- - - - - -
CHAMPION ANIMAL FOOD COMPANY Minneapolis, Minn.								
Dog Dainties	(519)	19.63	17.50	3.23	1.70	4.80	5.00	- - - - - -
J. A. CLARK Shamokin, Pa.								
Clark's Dog Food	(136)	27.69	23.00	7.26	4.00	3.78	5.00	- - - - - -
HARTZ MOUNTAIN PRODUCTS New York, N. Y.								
Peck-O-Egg Bird Biscuit	(11)	20.25	20.00	9.29	8.00	0.97	Trace	- - - - - -
MARITIME MILLING COMPANY Buffalo, N. Y.								
Hunt Club Dog Food	(8)	23.75	24.00	4.97	3.50	3.50	4.00	- - - - - -
JOHN MORRELL & COMPANY Ottumwa, Iowa								
Red Heart Dog Food Diet B	(10)	23.31	22.00	5.18	4.50	1.98	2.50	- - - - - -
NATIONAL BISCUIT COMPANY New York, N. Y.								
Milk Bone Dog Biscuit	(520)	23.25	21.00	3.58	1.50	2.03	2.50	- - - - - -

*Deficient

TABLE II. ANALYSES OF SAMPLES OF FEEDING STUFFS

500-6-44

MANUFACTURER AND BRAND NAME		PROTEIN		FAT		FIBER		COMPOSITION
		Found	Guar.	Found	Guar.	Found	Guar.	
		P. ct.	P. ct.	P. ct.	P. ct	P. ct.	P. ct.	
NYPANE DISTRIBUTING COMPANY New York, N. Y.								
Clipper	(516)	30.00	25.00	2.22	2.00	2.73	4.00	- - - - - -
P. J. OESTERLING & SON, INC. Butler, Pa.								
Sunside Pelleted Rabbit Feed	(302)	17.94	14.00	2.72	3.00	8.22	9.00	- - - - - -
PACKER PRODUCTS COMPANY Philadelphia, Pa.								
Bark-O	(483)	*6.98	8.00	3.35	1.50	0.07	1.00	- - - - - -
J. S. RILEY & COMPANY New Castle, Pa.								
Tri-Blend Dog Feed	(416)	26.88	20.00	5.35	3.00	2.89	6.00	- - - - - -
RUDHARD PRODUCTS, INC. Buffalo, N. Y.								
Apa-Tiza	(12)	*19.44	30.00	3.56	2.00	1.34	3.00	- - - - - -
WILSON & COMPANY Chicago, Ill								
Ideal Dog Food	(9)	29.69	28.00	8.02	7.00	2.12	4.00	- - - - - -
Average		20.20	----	4.69	----	2.54	----	
Fish Meal								
FLAG FISH COMPANY, INC. New York, N. Y.								
Flag Fish Meal	(518)	62.31	62.00	5.94	3.00	0.49	Trace	- - - - - -
Flag Fish Meal	(485)	63.19	62.00	5.75	3.00	0.44	Trace	- - - - - -
Average		62.75	----	5.84	----	0.46	----	
Meat & Bone Scraps								
ATLANTIC SUPPLY COMPANY Duncannon, Pa.								
Atlantic Meat & Bone Scraps	(222)	*44.19	50.00	12.16	6.00	1.79	3.00	- - - - - -
Atlantic Meat & Bone Scraps	(223)	*48.06	55.00	11.52	6.00	1.01	3.00	- - - - - -
A. F. REES, INC. Ranover, Pa.								
Meat & Bone Scrap	(400)	53.50	50.00	11.48	10.00	2.22	2.25	- - - - - -
MALCOLM OTTINGER Phoenixville, Pa.								
Ottinger's 50% Meat & Bone Scrap	(269)	48.25	50.00	10.36	6.00	3.38	3.00	- - - - - -
Average		48.50	----	11.38	----	2.10	----	
Buckwheat Feed								
PENN ARGYL MILLING COMPANY, INC. Penn Argyl, Pa.								
Buckwheat Feed	(517)	21.25	15.00	4.88	3.50	12.63	20.00	- - - - - -
Average		21.25	----	4.88	----	12.63	----	